

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method of casting an ophthalmic lens within a mold assembly, said assembly comprised of first and second mold portions, said first mold portion comprised of an amorphous material and having first and second opposing surfaces, said first surface comprised of a concave surface and said second surface comprising an optical lens-forming surface, said second mold having first and second opposing surfaces, said first surface comprising an optical lens-forming surface, said method comprising the steps of:
 - a) charging said first surface of said second mold portion with a polymerizable monomer;
 - b) assembling said mold portions such that said polymerizable monomer is sandwiched between said lens-forming surface of said first mold portion and said first surface of said second mold portion;
 - c) neutralizing substantially all negative power of said first mold portion while maintaining said first surface concave; and
 - ed) irradiating said mold assembly such that the pathway of said radiation passes through said cavity of said first mold portion;whereby said pathway of said radiation is controlled such that said monomer is cast having a specific cure profile.
2. (currently amended) The method of claim 1, wherein said ~~method~~neutralizing step comprises placing a liquid into the concave surface of said ~~posterior~~first mold wherethrough said radiation passes.
3. (currently amended) The method of claim 1, wherein said ~~method~~neutralizing step comprises controlling the radius of said concave surface of first mold portion wherethrough said radiation passes.

4. (currently amended) The method of claim 1, wherein said ~~method-neutralizing step~~ comprises placing an optical lens above said concave surface of said first mold portion wherethrough said radiation passes.
5. (currently amended) The method of claim 1, wherein said ~~method-neutralizing step~~ comprises placing an optical lens in said concave surface of said first mold portion wherethrough said radiation passes.
6. (cancelled)
7. (currently amended) The method of claim 6~~1~~, wherein said concave surface of said first surface of said first mold portion is spherical or aspherical.
8. (currently amended) The method of claim 6~~1~~, wherein said first mold portion comprises polyvinyl chloride.
9. (currently amended) The method of claim 6~~1~~, wherein said first mold portion comprises polystyrene.
10. (currently amended) The method of claim 6~~1~~, wherein said ~~molded-artileophthalmic lens~~ is a soft contact lens.
11. (currently amended) The method of claim 6~~1~~, wherein said ~~molded-artileophthalmic lens~~ is an intraocular lens.
12. (currently amended) The method of claim 6~~1~~, wherein said ~~molded-artileophthalmic lens~~ is a corneal onlay.
13. (currently amended) The method of claim 6~~1~~, wherein said ~~molded-artileophthalmic lens~~ is a corneal inlay.
14. (withdrawn) A mold assembly comprising first and second mold portions, said first mold portion having first and second opposing surfaces, said first surface comprised of a concave surface having a controlled radius of curvature and said second surface comprising an optical lens-forming surface, said second mold having first and second opposing surfaces, said first surface comprising an optical lens-forming surface, wherein said mold portions matingly engage to form a lens forming cavity therebetween said second surface of said first mold and said first surface of said second mold.
15. (withdrawn) The mold assembly of claim 14, wherein said first mold portion comprised of an amorphous material

16. (withdrawn) The mold assembly of claim 14, wherein said amorphous material is polyvinyl chloride.

17. (original) A method of casting an ophthalmic lens within a mold assembly, said assembly comprised of first and second mold portions, said first mold portion comprised of an amorphous material and having first and second opposing surfaces, said first surface comprised of a concave surface and said second surface comprising an optical lens-forming surface, said second mold having first and second opposing surfaces, said first surface comprising an optical lens-forming surface, said method comprising the steps of:

- a) charging said first surface of said second mold portion with a polymerizable monomer;
 - b) assembling said mold portions such that said polymerizable monomer is sandwiched between said lens-forming surface of said first mold portion and said first surface of said second mold portion;
 - c) filling said concave surface of said first mold portion with a liquid; and
 - d) irradiating said mold assembly such that said radiation passes through said liquid contained in said concave surface of said first mold portion;
- whereby said pathway of said radiation is controlled such that said monomer is cast having a specific cure profile.

18. (original) The method of claim 17, wherein said liquid has a refractive index not substantially different to said first mold portion.

19. (original) The method of claim 17, wherein said liquid is water.

20. (original) The method of claim 17, wherein said liquid is glycerin.

21. (original) The method of claim 17, wherein said liquid is a mixture of water and glycerin.

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (currently amended) The method of claim 224, wherein said optical lens is a positive lens.

26. (currently amended) The method of claim ~~254~~, wherein said optical lens is a plano convex lens.
27. (cancelled)
28. (original) A method of casting an ophthalmic lens within a mold assembly, said assembly comprised of first and second mold portions, said first mold portion comprised of an amorphous material and having first and second opposing surfaces, said first surface comprised of a concave surface and said second surface comprising an optical lens-forming surface, said second mold having first and second opposing surfaces, said first surface comprising an optical lens-forming surface, said method comprising the steps of:
- a) charging said first surface of said second mold portion with a polymerizable monomer;
 - b) assembling said mold portions such that said polymerizable monomer is sandwiched between said lens-forming surface of said first mold portion and said first surface of said second mold portion;
 - c) placing a optical lens into said concave surface of said first mold portion; and
 - d) irradiating said mold assembly such that said radiation path passes through said optical lens and said concave surface of said first mold portion;
- whereby said pathway of said radiation is controlled such that said monomer is cast having a specific cure profile.
29. (original) The method of claim 28, wherein said radiation path is altered by said optical lens and said ophthalmic lens is exposed to similar amounts of radiation energy.
30. (original) The method of claim 28, wherein said optical lens comprises an amorphous material.
31. (original) The method of claim 28, wherein said optical lens comprises a cyclic olefin.